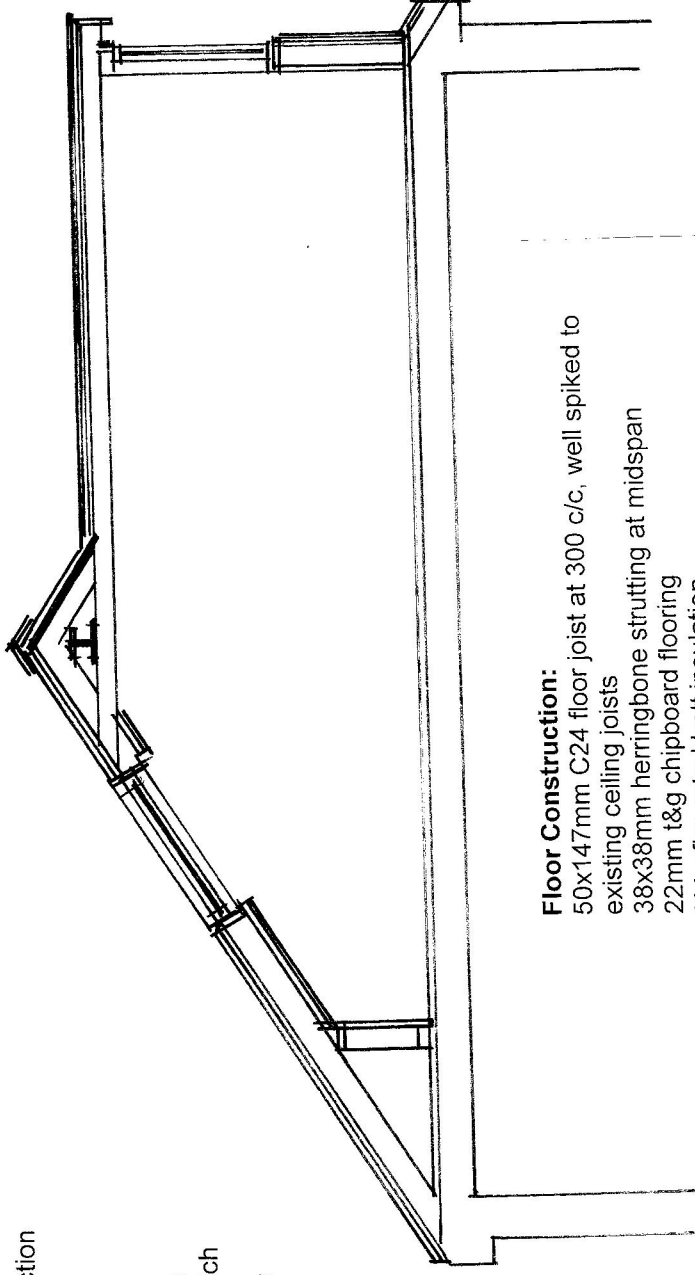


Support Wall:

12.5mm foil backed plasterboard
100x50 sw. studs @600c/c
100mm Fibreglass between studs
35mm Gyproc Thermaline Plus finish to internal surfaces

Existing Roof:

12.5mm foil backed plasterboard
50x100mm exist. rafters at 360 c/c, with new 50mm section to underside to provide depth for ventilation
Or new 50x147 rafters alongside
80mm Celotex tuff-R GA3000 between rafters
One layer of multifoil insulation under rafters with plasterboard attached to 25mm deep counter battens to create air space. Multi foil insulation to be Thinsulex which carries a BBA certificate 06/4379
Existing tiles on 25x38mm treated battens on BS747 1F reinforced felt



Floor Construction:

50x147mm C24 floor joist at 300 c/c, well spiked to existing ceiling joists
38x38mm herringbone strutting at midspan
22mm t&g chipboard flooring
½ hr fire rated batt insulation
12.5mm foil backed plasterboard

New Dormer Roof:

12.5mm foil backed plasterboard
New 50 x 150mm joists at 300mm c/c,
50mm ventilation space
100mm Celotex XR3000 between joists
40mm Celotex GA3000 under rafters with plasterboard attached to 25mm deep counter battens to create air space.
18mm WBP plywood
3 layer felt roof on tapered ex50mm treated battens on, laid to low slope in accordance with manufacturers instructions. Flat roof chippings are to be hot bedded.

Walls

12.5mm foil backed plasterboard
35mm Gyproc Thermaline Plus finish to internal surfaces
50x100mm studwork to cheeks at 600mm c/c
100mm Kingspan Thermawall TW55 between studs
breather membrane
18mm WBP plywood
25x38mm treated battens on BS747 1F reinforced felt tile hanging

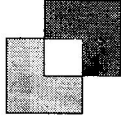
9mm Supalux to be used beneath tiles on side of dormer to achieve required fire resistance.



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Client : Mr P Cornwall
Project : Loft Conversion
Date : April 2017
Drawing : Roof Section

22 Henry Street, Reading, RG1 2NN
Scale : 1:50



plan:cost
07769 650 780
Building Consultants